Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

LM Start		Rating **	Α	Issue No.		20	
LM End		Issue Type +	Ма	Location *	N/A		
Category	Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item		s & Maintena	nce		0		0
пеш	Manuals				0		0
DWR ID	DWR_NA0	005_01_s _ 201	3_20				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
City of Sac	ramento h	as copies of t	he levee	O&M man	uals		

No Photos

Issue No. LM Start Rating ** Α 22 Location * Issue Type + N/A Ма LM End Earthen Levee GPS Latitude/Longitude Category End Emergency Supplies & Item Equipment DWR_NA0005_01_s _ 2013_22 DWR ID

Comment Code

Inspector Comment

City of Sacramento maintains a stockpile of Flood Fight response material.

No Photos

U : Unacceptable

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

	I	D :: ++					
LM Start		Rating **	Α	Issue No.		23	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Category				Start		End	
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID	DWR_NA0	005_01_s _ 201	3_23				
		Comn	nent Coc	le			
	Inspector Comment						
City of Sactraining.	City of Sacramento has a written response plan and regular response						

No Photos

LM Start	1.16	Rating **	М	Issue No.	13	
LM End	1.69	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS La	atituc	le/Longitude
				Start		End
Item	Trim / Thi	n Trees		38.5747	80°	38.568757 °
item				-121.5101	91 °	-121.515930 °
DWR ID DWR_NA0005_01_f _ 2012_13						
Comment Code						

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LM Start	1.16	Rating **	М	Issue No.	13 (cont)
LM End	1.69	Issue Type +	Ma	Location *	WS





Monitor trees and woody vegetation along the rivers edge looking downstream. Fall 2015.

Photo 2 of 2: FA_2016_NA0005_251_13_20160913_00011.jpg



Monitor the trees and woody vegetation along the rivers edge. Fall 2013

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

LM Start	1.25	Rating **	М	Issue No.	75	
LM End	1.25	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory	Jategory			Start		End
Item	Animal Co	ontrol		38.573704°		38.573704°
item				-121.5112	19°	-121.511219°
DWR ID	DWR_NA0	005_01_f _ 201	6_75			
Comment Code						
	A3 : No rodents visible, but rodent burrows visible; need to backfill and					

compact or grout burrows.

Inspector Comment



View of rodent holes on waterward side of the levee. Fall 2016 inspection.

LM Start	1.29	Rating **	М	Issue No.		76	
LM End	1.29	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Animal Co	ontrol		38.5732	40°	38.573240	0
пеш				-121.5117	07°	-121.511707	0
DWR ID DWR_NA0005_01_f _ 2016_76							

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Rodent hole backfilled with natural soil on waterward side of the levee. Fall 2016 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

LM Start	1.31	Rating **	М	Issue No.		1		
LM End	1.39	Issue Type +	Ma	Location *	WS			
Category Supplemental				GPS La	titud	e/Longitude		
				Start		End		
Item		CE Erosion S	Survey,	38.57316	69°	38.572277°		
пеш	DRAFT			-121.51199	98°	-121.513063°		
DWR ID DWR_NA0005_01_s _ 2016_1								
	Comment Code							

Inspector Comment

2008 - Oversized levee, should be repaired under maintenance. 2009 - Shallow slumps at the mid bank. 2010 - Some minor erosion at the toe, likely from wave wash. Some new shallow slumps. 2011 - One new tree has fallen. 2013 - Erosion continues on the slope surface, site extended upstream. 2015: No observed changes. [2015 Site ID: SAC_58-5_L]

LM Start	1.31	Rating **	М	Issue No.	1 (cont)
LM End	1.39	Issue Type +	Ma	Location *	WS



USACE 2013 Photo #1

Photo 2 of 2: FA_2016_NA0005_251_1_20160913_00002.jpg



USACE 2013 Photo #2

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

LM Start	2.30	Rating **	М	Issue No.		77		
LM End	2.30	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	ontrol		38.5598	89°	38.559889°			
пеш				-121.5153	41 °	-121.515341 °		
DWR ID	DWR_NA0	005_01_f _ 201	6_77					
		Comn	nent Cod	de				
A1 : Exter	minate rod	ents and back	fill and o	compact or	grou	it burrows.		
		Inspecto	or Comm	nent				



More squirrel holes found on waterward slope. Fall 2016.

LM Start	2.31	Rating **	М	Issue No.	82		
LM End	2.31	Issue Type +	Ма	Location *		WS	
Category	evee	GPS La	atitud	le/Longitude			
Calegory				Start End			
Item	Animal Co	Animal Control			67°	38.559767°	
пеш				-121.5152	64°	-121.515264°	
DWR ID DWR_NA0005_01_s _ 2016_82							
	Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of the rodent holes on the waterward side of the levee looking downstream. Spring 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

LM Start	2.43	Rating **	U	Issue No.		78	
LM End	2.43	Issue Type +	Ма	Location *		LS	
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.5582	81 °	38.558281 °	
iteiii				-121.5143	93 °	-121.514393 °	
DWR ID	DWR_NA0	005_01_f _ 201	5_78				
		Comn	nent Cod	de			
A1 : Exterr	minate rod	ents and back	fill and o	compact or	grou	t burrows.	
Inspector Comment							



Rodent holes with more than 2 cub ft. of soil taken out found on landside slope of the levee. Fall 2016.

LM Start	2.45	Rating **	A/W	Issue No.		8	
LM End	2.45	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.5579	37°	38.557937 °	
пеш				-121.514237 °		-121.514237°	
DWR ID	DWR_NA0	005_01_s _ 201	2_8				
		Comn	nent Cod	de			
V4 : Elderl	perries are	blocking visit	oility and	flood fight	capa	ability.	
	Inspector Comment						

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

LM Start	2.52	Rating **	М	Issue No.	84			
LM End	2.92	Issue Type +	Ma	Location *		LS		
Category	evee	GPS La	atitud	e/Longitude				
Calegory	Category					End		
Item	Vegetatio	n		38.5569	64°	38.551504°		
пеш				-121.5139	26 °	-121.511746°		
DWR ID DWR_NA0005_01_s _ 2016_84						·		
	Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



View of landside slope. Tree trimming and vegetation removal required. Fall 2016.

LM Start	2.85	Rating **	М	Issue No.		2		
LM End	2.90	Issue Type +	Ma	Location *	WS			
Category	Suppleme	ental	GPS Latitude/Longitude					
Calegory			Start		End			
Item		CE Erosion S	Survey,	38.55226	88°	38.551578 °		
пеш	DRAFT			-121.51259	90°	-121.512336°		
DWR ID DWR_NA0005_01_s _ 2016_2								
	Comment Code							

Inspector Comment

1997 - Erosion at pump station, concrete debris and plastic showing. 2000 - Separation scour of bank due to poor transition. 2004 - New large tree pop out; city dumped fill dirt/rock into hole. 2006 - Minor new erosion at top of bank. 2010 - Some new rock placed in tree pop-out. 2011 - A large tree has fallen and flood fighting was performed by the city on the upper levee slope. 2012 - Small rock placed in hole from tree popout. 2015: No observed changes. [2015 Site ID: SAC_56-6_L]

Photo 1 of 1: FA_2016_NA0005_251_2_20160913_00003.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

City of Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	09/15/2016 09/15/2016	Oleg Yakimov

		D :: ++						
LM Start	3.35	Rating **	М	Issue No.		85		
LM End	3.35	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	Trim / Thi	n Trees		38.5454	03°	38.545403°		
item				-121.509830 ° -		-121.509830 °		
DWR ID	DWR_NA0	005_01_s _ 201	6_85					
		Comn	nent Cod	de				
T3 : Trim a flood fight.		es to allow vis	sibility of	the ground	and	f room to		
		Inspecto	or Comm	nent				

LM Start	3.35	Rating **	M	Issue No.	85 (cont)
LMEnd	2 25	Issue Type +	Ma	Location *	1.9



View of the trees on the landward side of the levee. Spring 2016.

Photo 2 of 2: FA_2016_NA0005_251_85_20160913_00016.jpg



Perspective view of the trees on the landward side of the levee looking downstream. Spring 2016.